

Claims

- [c1] 1. A slide-in structure for a cradle set having a connector and a circuit board, the slide-in structure at least comprising:
- a base plate having a pair of sidewalls and a pair of voids in the sidewalls, respectively;
- a sliding stand positioned between the two sidewalls such that two ends of the sliding stand are inserted into the respective voids, wherein the connector is fastened to the sliding stand via the circuit board, the ends of the sliding stand are movably received in the voids and the sliding stand is movable relative to the sidewalls; and
- a pushing arm positioned between the two sidewalls of the base plate, having a portion in contact with a surface of the sliding stand for resiliently pushing the sliding stand.
- [c2] 2. The slide-in structure of claim 1, wherein each void is an arc-shaped slot and each end of the sliding stand has an arc-shaped sliding block movably fitted in a corresponding void.
- [c3] 3. The slide-in structure of claim 1, wherein each void is an arc-shaped slot and each end of the sliding stand has

a round sliding block slideably and rotatably fitted in a corresponding void.

[c4] 4. The slide-in structure of claim 1, wherein the pushing arm is fastened to the base plate.

[c5] 5. The slide-in structure of claim 1, wherein the pushing arm has a protruding surface in contact with the sliding stand.

[c6] 6. The slide-in structure of claim 1, wherein each void is a hole and each end of the sliding stand is rotatably received in a corresponding void.

[c7] 7. A cradle set for a handheld electronic device, comprising:
a slot;
a base plate;
a sliding stand movably mounted to the base plate;
a pushing element resiliently pushing the sliding arm;
a circuit board secured on sliding stand;
a flexible printed circuit for electrically connecting the circuit board to a main circuit board; and
a connector mounted on the circuit board, extending in the slot of the cradle set for electrically connecting with the handheld electronic device.

[c8] 8. The cradle set of claim 7, wherein the base plate has a

pair of sidewalls each defining an arc-shaped groove, the sliding stand having two ends each having an arc-shaped sliding block thereon, the sliding blocks being movably fitted within the grooves, respectively.

[c9] 9. The cradle set of claim 7, wherein the base plate has a pair of sidewalls each defining an arc-shaped groove, the sliding stand having two ends each having a round sliding block thereon, the sliding blocks being slideably and rotatably fitted within the grooves, respectively.

[c10] 10. The cradle set of claim 7, wherein the base plate has a pair of sidewalls each defining a hole, the sliding stand having two ends rotatably fitted in the holes, respectively.

[c11] 11. The cradle set of claim 7, wherein the pushing element is fastened to the base plate.

[c12] 12. The cradle set of claim 11, wherein the pushing element has a protruding surface in contact with the sliding stand.

[c13] 13. The cradle set of claim 8, wherein the pushing element is fastened to the base plate and having a protruding surface in contact with the sliding stand.

[c14] 14. The cradle set of claim 9, wherein the pushing ele-

ment is fastened to the base plate and having a protruding surface in contact with the sliding stand.

[c15] 15. The cradle set of claim 10, wherein the pushing element is fastened to the base plate and having a protruding surface in contact with the sliding stand.

[c16] 16. A cradle set for a handheld electronic device, comprising:

a base plate;

a stand movably mounted on the base plate; and

a connector fastened to the stand, adapted for electrically connecting with the handheld electronic device.

[c17] 17. The cradle set of claim 16 further comprising an element providing a resilient force to the stand.

[c18] 18. The cradle set of claim 17 further comprising a flexible printed circuit and a circuit board secured to the stand, the connector being mounted on the circuit board and the flexible printed circuit being electrically connected with the circuit board.

[c19] 19. The cradle set of claim 18, wherein the element is secured to the base plate.

[c20] 20. The cradle set of claim 19, wherein the base plate comprise a pair of arc-shaped grooves and the stand has

a pair of ends movably fitted in the grooves, respectively.